Sunday, September 24

6:00 p.m8:00 p.m.	OPENING KEYNOTE SESSION Promenade East IV-VI
	Session Chairs: Cory Abate-Shen, Columbia University Medical Center, Herbert Irving Comprehensive Cancer Center, New York, NY, and Kevin M. Haigis, Beth Israel Deaconess Medical Center, Boston, MA
6:00 p.m6:10 p.m.	Welcome Remarks Cory Abate-Shen
6:10 p.m7:00 p.m.	Engineering the cancer genome Tyler Jacks, David H. Koch Institute for Integrative Cancer Research at MIT, Cambridge, MA
7:00 p.m7:50 p.m.	Unearthing mechanisms of malignant progression and resistance of cancer stem cells Elaine Fuchs, The Rockefeller University, New York, NY
8:00 p.m10:00 p.m.	OPENING RECEPTION

Promenade West I-III

Monday, September 25

7:30 a.m8:30 a.m.	CONTINENTAL BREAKFAST / NETWORKING ROUNDTABLES Promenade Foyer and St. James Hall and Patio and Porte Cochere
8:30 a.m10:30 a.m.	PLENARY SESSION 1: TECHNOLOGICAL ADVANCES FOR MODELING CANCER IN MICE Promenade East IV-VI Session Chair: Julien Sage, Stanford University School of Medicine, Stanford, CA
8:30 a.m9:00 a.m.	Cancer modeling in the CRISPR age Andrea Ventura, Memorial Sloan Kettering Cancer Center, New York, NY
9:00 a.m9:15 a.m.	Modeling colorectal cancer in vivo through CRISPR-based genome editing* Lukas E. Dow, Weill Cornell Medical College, New York, NY
9:15 a.m9:45 a.m.	Quantitative and multiplex analysis of the genomic determinants of tumorigenesis Monte Winslow, Stanford University School of Medicine, Stanford, CA
9:45 a.m10:00 a.m.	Capturing the integration of Ras-mutant cells into normal epithelial tissue using live imaging* Cristiana M. Pineda, Yale University, New Haven, CT
10:00 a.m10:30 a.m.	Genetic dissection of cancer development, therapy response, and resistance in mouse models of breast cancer Jos Jonkers, Netherlands Cancer Institute, Amsterdam, The Netherlands

10:30 a.	m11:00 a.m.	BREAK Promenade Foyer
11:00 a.ı	m1:00 p.m.	PLENARY SESSION 2: ELUCIDATING CANCER MECHANISMS USING MOUSE MODELS Promenade East IV-VI Session Chair: Karen M. Cichowski, Brigham & Women's Hospital, Boston, MA
11:00 a.n	n11:30 a.m.	Driver mutations and cell-of-origin as critical factors determining the phenotypic characteristics of thoracic tumor subtypes Anton J.M. Berns, Netherlands Cancer Institute, Amsterdam, The Netherlands
11:30 a.m	n11:45 a.m.	The tumor suppressor BAP1 regulates the Hippo pathway in pancreatic ductal adenocarcinoma* Anwesha Dey, Genentech Inc., South San Francisco, CA
11:45 a.m	n12:15 p.m.	Deconstructing p53 pathways in tumor suppression Laura D. Attardi, Stanford University School of Medicine, Stanford, CA
12:15 p.m	n12:30 p.m.	p120 catenin loss drives pancreatic cancer EMT and metastasis through activation of calcium signaling* Jason R. Pitarresi, University of Pennsylvania, Philadelphia, PA
12:30 p.r	n1:00 p.m.	Somatic p53 mutations drive development of triple-negative breast cancer with evolutionarily distinct metastases Guillermina Lozano, The University of Texas MD Anderson Cancer Center, Houston, TX
1:00 p.n	n1:15 p.m.	POSTER SESSION A HIGHLIGHTS Promenade East IV-VI
(A01)	breast cancer	of the mammary gland for the development of novel mouse models of triple-negative etherlands Cancer Institute, Amsterdam, The Netherlands
(A02)		ween FBXW7 and PI3K signaling in a mouse model of endometrial carcinogenesis outhwestern Medical Center, Dallas, TX
(A03)	•	ostasis is lethal in SMARCB1-deficient tumors The University of Texas MD Anderson Cancer Center, Houston, TX
(A04)	in melanoma	nomics approach identifies PTPN11 as an oncogene and potential therapeutic target
(A05)	05) Investigating mechanisms of obesity-mediated pancreatic cancer progression Mandar Deepak Muzumdar, Koch Institute at MIT, Cambridge, MA	
1:15 p.m	3:30 p.m.	POSTER SESSION A / LUNCH Promenade West I-III

4:00 p.m6:00 p.m.	PLENARY SESSION 3: MODELING THE TUMOR MICROENVIRONMENT Promenade East IV-VI Session Chair: Kwok-Kin Wong, New York University (NYU) Langone Medical Center, New York, NY
4:00 p.m4:30 p.m.	Metabolic recycling in cancer Marcia Haigis, Harvard Medical School, Boston, MA
4:30 p.m4:45 p.m.	Lineage specifiers SOX2 and NKX2-1 inversely regulate lung tumor immune microenvironment* Trudy G. Oliver, University of Utah, Salt Lake City, UT
4:45 p.m5:15 p.m.	Evaluation of the microenvironment in antitumor immune responses Marcus W. Bosenberg, Yale University School of Medicine, New Haven, CT
5:15 p.m5:30 p.m.	Contribution of mutant microenvironment to hereditary cancer: Single-cell gene expression profiling of a genetically engineered mouse model of human hereditary BRCA1-related breast cancer* Carman M. Li, Harvard Medical School, Boston, MA
5:30 p.m6:00 p.m.	Tumor microenvironment: Stroma-tumor cell signaling defined by a cross-species approach Gustavo W. Leone, Medical University of South Carolina Hollings Cancer Center, Charleston, SC

Tuesday, September 26

7:30 a.m8:30 a.m.	CONTINENTAL BREAKFAST / NETWORKING ROUNDTABLES Promenade Foyer and St. James Hall and Patio and Porte Cochere
8:30 a.m10:30 a.m.	PLENARY SESSION 4: STEM CELLS AND DEVELOPMENTAL PATHWAYS IN CANCER Promenade East IV-VI Session Chair: Michael M. Shen, Columbia University College of Physicians & Surgeons, New York, NY
8:30 a.m9:00 a.m.	Intra- and intertumoral heterogeneity and response to therapy in mouse models of SCLC Julien Sage, Stanford University School of Medicine, Stanford, CA
9:00 a.m9:15 a.m.	Elucidating mechanisms of p53-deficient breast cancer development via lineage tracing and clonal analysis* Zhe Li, Brigham & Women's Hospital and Harvard Medical School, Boston, MA
9:15 a.m9:45 a.m.	Imaging stem cell signals in cancer heterogeneity and therapy resistance Tannishtha Reya, University of California San Diego, La Jolla, CA

9:45 a.m10:00 a.m.	Altered nucleolar trafficking of the Blm helicase in the mouse reduces size, increases DNA damage and tumor susceptibility, and facilitates premature aging* Joanna L. Groden, The Ohio State University College of Medicine, Columbus, OH
10:00 a.m10:30 a.m.	Lessons from modeling neural tumors in mice Luis F. Parada, Memorial Sloan Kettering Cancer Center, New York, NY
10:30 a.m11:00 a.m.	BREAK Promenade Foyer
11:00 a.m1:00 p.m.	PLENARY SESSION 5: GENETICS, GENOMICS, AND SYSTEMS BIOLOGY Promenade East IV-VI Session Chair: Monte M. Winslow, Stanford University School of Medicine, Stanford, CA
11:00 a.m11:30 a.m.	Normal and cancer stem cells in multistage carcinogenesis Allan Balmain, UCSF Helen Diller Family Comprehensive Cancer Center, San Francisco, CA
11:30 a.m11:45 a.m.	Clonal dynamics during breast cancer dormancy and recurrence* James V. Alvarez, Duke University, Durham, NC
11:45 a.m12:15 p.m.	The global proteome and phospho-proteome of K-Ras mutant tissues Kevin M. Haigis, Beth Israel Deaconess Medical Center, Boston, MA
12:15 p.m12:30 p.m.	RNA sequencing-based analysis of transposon-induced tumors reveals novel insights into disease pathogenesis* David A. Largaespada, University of Minnesota, Minneapolis, MN
12:30 p.m1:00 p.m.	Of mice and men: Using systems biology approaches to study human cancer Cory Abate-Shen, Columbia University Medical Center, Herbert Irving Comprehensive Cancer Center, New York, NY
1:00 p.m2:30 p.m.	LUNCH ON OWN
2:30 p.m4:15 p.m.	PLENARY SESSION 6: BEYOND GENETICALLY ENGINEERED MOUSE MODELS Promenade East IV-VI Session Chair: Guillermina Lozano, The University of Texas MD Anderson Cancer Center, Houston, TX
2:30 p.m3:00 p.m.	GEMMs and GEOs to characterize pancreatic cancer initiation and progression David A. Tuveson, Cold Spring Harbor Laboratory Cancer Center, Cold Spring Harbor, NY
3:00 p.m3:30 p.m.	Organoid models of bladder cancer Michael M. Shen, Columbia University College of Physicians & Surgeons, New York, NY
3:30 p.m3:45 p.m.	Investigating lung cancer cells-of-origin using three-dimensional organoid cultures* Christine Fillmore Brainson, University of Kentucky, Lexington, KY
3:45 p.m4:15 p.m.	The tumor immune landscape and heterogeneity projects Pier Paolo Pandolfi, Beth Israel Deaconess Medical Center, Boston, MA

4:15 p.m.-4:45 p.m. BREAK Promenade Foyer 4:45 p.m.-5:40 p.m. **KEYNOTE ADDRESS** Promenade East IV-VI Session Chair: Katerina A. Politi, Yale Cancer Center, New Haven, CT Interrogating cancer drivers and dependencies using non-germline mouse models Scott W. Lowe, Memorial Sloan Kettering Cancer Center, New York, NY **POSTER SESSION B HIGHLIGHTS** 5:40 p.m.-5:55 p.m. Promenade East IV-VII (B01) A genetically engineered mouse model of de novo bone metastasis Juan Martin Arriaga, Columbia University Medical Center, New York, NY (B02) Neutrophils and Snail orchestrate the establishment of a pro-tumor microenvironment in lung adenocarcinoma Etienne Meylan, Ecole Polytechnique Fédérale de Lausanne, Lausanne, Switzerland (B03) Acinar cell expansion: A new step in pancreatic tumorigenesis Patrick Neuhoefer, Stanford University, Stanford, CA (B04) Activating K-RasA146T mutations induce Mapk-dependent hyperproliferation in the intestinal epithelium Emily Poulin, Beth Israel Deaconess Medical Center, Boston, MA (B05) BRAF inhibition and cytokine therapy for melanoma: A novel rational combined approach Gabriele Romano, The University of Texas MD Anderson Cancer Center, Houston, TX (B06) A SOX9⁺ bile duct progenitor as a cell of origin of hepatocellular carcinoma Patrick Viatour, Children's Hospital of Philadelphia, Philadelphia, PA

6:00 p.m.-8:30 p.m. POSTER SESSION B/RECEPTION Promenade West I-III

Wednesday, September 27

7:30 a.m8:15 a.m.	CONTINENTAL BREAKFAST / NETWORKING ROUNDTABLES Promenade Foyer and St. James Hall and Patio and Porte Cochere
8:15 a.m9:45 a.m.	PLENARY SESSION 7: TARGETING THE TUMOR MICROENVIRONMENT Promenade East IV-VI Session Chair: Martin McMahon, University of Utah Huntsman Cancer Institute, Salt Lake City, UT

8:15 a.m8:30 a.m.	Lung cancer mouse models for preclinical testing of novel and immune therapies Kwok-Kin Wong, New York University (NYU) Langone Medical Center, New York, NY
8:30 a.m9:00 a.m.	The immune microenvironment in lung cancer: Lessons from mouse models Katerina A. Politi, Yale Cancer Center, New Haven, CT
9:00 a.m9:30 a.m.	Targeting the drug- and immune-privileged sanctuary of pancreas cancer Sunil R. Hingorani, Fred Hutchinson Cancer Research Center, Seattle, WA
9:30 a.m9:45 a.m.	Selective lethality of cisplatin in pancreatic cancer is dependent on mitotic functions of BRCA2* Kenneth P. Olive, Columbia University Medical Center, New York, NY
9:45 a.m10:15 a.m.	BREAK Promenade Foyer
10:15 a.m12:15 p.m.	PLENARY SESSION 8: USING MOUSE MODELS TO STUDY DRUG RESISTANCE Promenade East IV-VI Session Chair: Marcus W. Bosenberg, Yale University School of Medicine, New Haven, CT
10:15 a.m10:45 a.m.	Using mouse models to improve cancer therapy Michael T. Hemann, David H. Koch Institute for Integrative Cancer Research at MIT, Boston, MA
10:45 a.m11:15 a.m.	In vivo screens assessing drug response and resistance in acute leukemias characterized by hyperactive Ras signaling Kevin M. Shannon, University of California San Francisco, San Francisco, CA
11:15 a.m11:45 a.m.	Mutational activation of PI3-kinase- α promotes dedifferentiation of BRAF^{v600E}- driven lung tumor cells Martin McMahon, University of Utah Huntsman Cancer Institute, Salt Lake City, UT
11:45 a.m12:15 p.m.	Using mouse models to develop therapies for Ras-driven cancers Karen M. Cichowski, Brigham & Women's Hospital, Boston, MA
12:15 p.m1:00 p.m.	MEETING SUMMARY Promenade East IV-VI
	Closing Remarks Julien Sage, Stanford University School of Medicine, Stanford, CA

1:00 p.m.

DEPARTURE